Stephen Toms

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Summary

As a Senior Software Engineer at EMCEE, I develop and improve the user experience of a multi-faceted marketplace that connects creators, brands, and customers. I lead web and mobile teams that focus on the customer and creator segments, enabling seamless collaboration and revenue generation through high-quality content.

With a Bachelor's degree in Computer Science from Penn State University, I have a strong foundation in full-stack development, React.js, Vue.js, Prisma, Node, PostgreSQL and solutions architecture. Before joining EMCEE, I was the Director of Front-End Engineering at Promantus Inc, where I oversaw the transformation of a SaaS application that accommodated 30 million active users annually. I also managed a diverse and international team of 25 developers and designers, implementing processes to optimize their performance and drive innovation.

Technology Stack

Front-end
React.js, Next.js, React Native, Vue.js, Nuxt.js, Javascript, Tailwind, Bootstrap, Materialize, CSS3, SCSS, SASS, GreenSock (GSAP), NativeScript, AFrame, Unity, Canvas, HTML5, TypeScript, Webpack, Grunt, Gulp, Prettier, ESlint, Google Tag Manager, Google Analytics, Google Marketing Platform, ES6, Axios, Babel, Flash, GraphQL

Back-end
Prisma ORM, GoLang, Postgress, SQL, PHP, Laravel, C#, .NET Core, Java, mySQL, MongoDB, PostgreSQL, Node.js, Express.js, Adonis.js, Nest.js, Single -Sign-On, Azure, GraphQL, AWS

CMS Experience
Wordpress, Drupal, expression Engine, CraftCMS, Netlify, Contentful, ButterCMS

Deployment Experience
PM2, Docker, AWS, Plesk, Linux, Vim, CLI, Window/Mac Agnostic, Container-Based Hosting, SAAS, CloudFlare, NGINX

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Emcee Studios (2022-Present)

Principal Software Engineer 10/23 – Present
Emcee brings together creators, brands, and customers within a multi-faceted marketplace.

Our platform enables creators to seamlessly collaborate with top-tier brands, earning revenue from purchases made through their content. Concurrently, customers have the opportunity to explore a wide array of creators, brands, and styles via our curated catalog. Meanwhile, brands benefit from high-quality content and establish connections with creators.

In my role as a Software Engineer, I collaborate with a team to develop and improve the user experience, facilitating meaningful connections between creators, brands, and consumers. I lead high-performing web and mobile teams focused on the Customer & Creator segments, particularly during the inception of new products.
(Next.js, Tailwind, React.js, Prisma ORM, Postgress, DynamoDB, NestJS, Fastify, Redis, Kafka).
[Project Link](#)

Sr. Software Engineer 8/22 – 10/23

Promantus Inc Remote (2020-2022)

Managing Lead, Front-end 7/21 – 8/22

Managing Lead, Front-end IWBI Account 7/21 – Present
Managing day to day team of 25 international developers and designers (US, Canada, Russia, India, Ukraine). Establishing processes to establish employee optimization. Driving change in technologies used to create business value. Consulting with multiple different clients at the Senior VP and C-Suite level.

Lead Front-end Engineer 1/21– 7/21

Sr. Front-end Engineer 8/20 – 1/21

Lead Front-end Engineer IWBI Account 8/20 – Present
Leading, managing, and developing an international software team based out of 15 developers based (USA, India, Europe) creating and maintaining complicated Cloud-based SaaS applications. Primarily focused, on rebuilding and designing the front-end of a SaaS application that sees about 30 million impressions per year. Optimized and reduced initial load time (time to interactive) from 19.7 seconds to 2.1 seconds. Created and road mapped out processes for creating more modular based code. Introduced a branding refresh with UI/UX enhancements while helping coordinate a roadmap for optimizing designer's workflow. Developed in parallel and shared across all front-end lead teams an abstracted component library. (Vue.js, Nuxt.js, Laravel, PHP, Webpack, Tailwind, ES6, Figma).
[Project Link](#)

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Renegade Communications Hunt Valley, MD (2018-2020)

Sr. Full-Stack Web Developer 2/20 – 8/20

Lead Developer/Software Architect – Future of Awesome Renegade Communications 6/19 – 8/20
Designed, Planned, and Developed 2D and 3D immersive gaming platform and sub games. During the bidding for the project I performed competitive analysis by reverse engineering competitors code and exposing security risks while building a secure environment on Azur Hosting. Designed and developed relational databases for all player profile information, global leaderboards, and individual game leaderboards. Exposed the database information with a REST API through secure middleware to the front-end. Built all front-end game mechanics for the platform in both 2D and 3D versions of the game with responsive design and compatibility for IE11 and up. (Azure Hosting, Vue.js, Nuxt.JS, Laravel, PHP, Webpack, ES6)
[Project Link](#)

Full-Stack Web Developer 4/19 – 2/20

Sole Developer – Go Dark Campaigns 5/19 – 8/20
Developed and launched multiple re-negotiation campaign sites for telecommunications companies that reached over 30,000 users active at one time. Total of 15 million impressions over the period of a 6-day campaign. Solely, responsible for designing, developing, deploying, submission reporting, analytics, and maintaining uptime of website all throughout a two-week campaign. (VueJS, Laravel, SQL, HTML5/JS, Google Tag Manager, Google Analytics)

Lead Developer – Showtime Scavenger Hunt 5/19 – 10/19
Created a scavenger hunt activity that would inject itself via Google Tag Manager on an existing client's website. Responsible for building, testing, maintaining browser compatibility as low as Internet Explore 8.
[Project Link](#)

Lead Developer – Showtime Land 1/19 – 5/19
Lead Development for a Candyland like game to quiz call representatives on new and upcoming shows that Showtime offers. Introduced and independently learned new technologies to build the application while teaching the rest of the team on how to use it.
[Project Link](#)

Lead Developer – IRI Renegade Communications 6/19 – Present
Designed and Developed a website for a Research Company that has Fortune 500 Clients such as Campbell's Soup, Harley-Davidson, and NASA. Responsible for the architecture of the site, ease of use, SEO, Google Analytics and load times. Designed and developed a versatile Wordpress and Gravity Forms plugin for Headless Websites. (Nuxt.JS, OOCSS, Server-Side Rendering, Wordpress, Head-less CMS, Scalability)

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[Project Link](#)

Web Developer 4/18 - 4/19

Lead Developer – Beltway Flash Renegade Communications 6/19 – Present
Beltway Flash is a project that consists of a tight deadline of designing and building interactive activities in the matter of 2 days after receiving content from the client. Through my career these interactive applications were originally designed in Flash but due to Flash being outdated I quickly game up and documented a successful workflow for creating the experiences as Canvas elements. Expanding and improving the project I also designed an achieve that contains all the interactive experiences while being easy to search using the latest javascript frameworks. (Nuxt.JS, OOCSS, Server-Side Rendering, Head-less CMS, Scalability)
[Project Link](#)

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Penn State

Project Lead – eCommerce Shopping Website Penn State 400 Level Class 10/18
Designed and created a full eCommerce website from scratch using JAVA and MVC architecture for a final group presentation. Used a SQL database to store all order information. Styled and structured using CSS and HTML. Used JavaScript for form validation and basic webpage navigation.
[Project Link](#)

Project Lead – Pet Adoption Aggregator Penn State 400 Level Class 10/18
Created a website that scrapes and parses information from local pet adoption agencies the reformats and aggregates the information on a single website.
[Project Link](#)

Freelance Web Development York, PA

Web Developer 12/16 – Present

Founder – Sutura Baltimore, MD 5/19 - Present
Small website design company that builds websites based off of a custom agnostic templated front-end architecture. (VueJS, NuxtJS, Laravel, NetlifyCMS, Netlify, RestAPI)
[Website](#)

Creator – Stephen Toms Photography. York, PA 4/18 – Present
Created a website, personal branding, generated a following of over 10,000 on Instagram. Working with multiple small businesses. (HTML5/JS, PHP, Automation, Adobe Creative Suite)

EDUCATION
Penn State University at State College, 2018. Emphasis in Development.
B.S. in Information Systems and Technology